

Page 1 of 1

All amounts are calculated in domestic currency.

0.001

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:2513190

Ship From: A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 24-FEB-2015	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 2513190-2

Shipment Details	Final Destination Branch - MON
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Order No 3748709	Line No 2	Item No 14966	Description 0.7500.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND A.132.0000-156.0000 SPECIFICATIONS: AMS 5643
Purchase Order No 27509	Part Number	Ordered Qty 24.00 FT	Invoice Qty 24.4167 FT

Details
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY

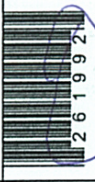
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S

FORWARD COPY OF P/S TO COLLEEN (MONTREAL)

Email P/s and certs to: clavoie@artaero.com

END USER: DART AEROSPACE

END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No. 119967577	Mill VALBRUNA CORPORATION	Heat Number 	Mech Id	PCS 2 <i>1302g</i>	Width (IN)	Length (IN) 146.5000	Shipped Qty(LBS) 36.6250
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These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported hereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are void. Changes made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:



24 FEB 2015

Name:

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 24-FEB-2015 11:29:50 AM



**Acciaierie
Valbruna S.p.A.**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Telephone number : 0039 (0) 44968211

Cliente / Bestatter/Purchaser/Clerk
 VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT
LST 521-MILTON, ONT LST 521-CA

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Aviso di Spedizione: D-VI4012970

Certificato nr: MEST5024/6/2014/ 1

Conferma ordine nr: E114000439
WorkOut Order/Rail nr

Marchio di Fabbrica

Trade mark
Boyle de fusine products

Punzone del Collaudatore:

Typ of Collaboration: F.T.O. =
Einschneidung/steifig process/Mode d'elaboration

Stato di fornitura: Hot rolled - COND. A Pannello/Flattened
Lieferzustand/Delivery state: de invasion

Specifiche:

ASME SA564 2013 S17400 A (0)

ASTM A564 2010 S17400 A

AMS 5643 T S17400 A

(0) SECTION II PT. A 2013 EDITION

Qualität: 630

Marca: V174

Marca: V174

Tolleranza: ASTM A404-13A TABLE 1
Tolleranza/Allowance/Tolerance

Punzonatura: 630
Kennzeichnung/Markierung/Marcage

15/02/28

[illegible]

TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf lieferbereitem produkt Test à l'Etat de livraison Prueba sobre el material así como entregado

[illegible]

TEST		min	max	
A	Delta Ferrite		5,0	1,0 %
A	RATINGS FREQUENCY		1,10	0
A	RATINGS SEVERITY		1,05	0

[illegible]

Mechanical properties according to ASTM A370.
Delta Ferrite according to AMS 2315.

Analisi chimica

Colata Alcol	Schnitzel/Couleur	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	Ta %
261992	max 0,070	0,039	0,40	0,52	15,08	0,15	3,44	4,72	0,023	0,001	0,0001

Vicenza, 11/04/14

Il collaudatore di stabilimento / der Werksachverständiger / Works inspector / L'agent d'usine

M. Bizzotto

Pagina - 1 di 2

CERTIFICATO DI COLLAUDO
ABNANMEPRUEFEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1



QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

**Acciaierie
Valbruna s.p.a.**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephone number: 0039 (0) 444968211

Client: Valbruna CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CA
Produttore: ACCIAIERIE VALBRUNA S.P.A.

Avviso di Spedizione: D-VII4012970
Lieferungs/Packing list L.
Bestellform: order/Commande
Ordine nr: 401004580 Stock - Canada

Certificato nr: MEST502476/2014/ 1
Phung/TseVesal
Conferma ordine nr: E114000439
Versand/Order/Ref: nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Signe de l'usine productrice

Punzone del Collaudatore:
Stempel des Werkstattschweißingen
Inspector's stamp/Phonon de l'essayeur



Colata / Heat	Schmelzwärme	min 5°C	max 0,450	0,150	0,295
Cb(Nb)%					Nb%+Ta%
0,295					0,295
261992					

Reduction ratio > 3 : 1.
Annealing temperature 1904 deg. F for 4 H. air
cool to below 90F.

Macroetch test per ASTM E340: acceptable.
Furnace calibrated according to AMS-H-6875.A; APRIL 2006
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind in Anbetracht erfüllt
Le matériel a été trouvé conforme aux exigences
Controllo antiriscaldamento: OK
Verwärmungsprüfung: akzeptable/nach durchgeföhrt
Annealing testing performed: OK
Controllo antiriscaldamento: OK
Controllo visivo e dimensionale: soddisfa le esigenze
Visual inspection and dimensional check: satisfactory
Controle visuel et dimensionnel: satisfaisant

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, 9.4.3 by TÜEV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or interests before any competent court, authority and jurisdiction.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4 DATE: 15/02/20
 QUANTITY INSPECTED: 24
 QUANTITY RECEIVED: 24
 QUANTITY REJECTED: 0
 THICKNESS ORDERED: 8.750
 THICKNESS RECEIVED: 8.750
 SHEET SIZE ORDERED: 24
 SHEET SIZE RECEIVED: 24
 PO / BATCH NO.: 27509

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.	RECORD RESULTS BELOW	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUREMETER READING			

Testers located in the Quality Office

QC 18 INSPECTION
 ENGINEERING SIGNOFF (if required)
 INSPECTED BY: 14
 DATE: 15/02/20
 SIGNED OFF BY: 14
 DATE: 15/02/20

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27509
Purchase Order Date 2/20/2015
PO Print Date 2/20/2015

Page Number 1 of 3

Order From :

VC-MET001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W 0E9
CA

Contact Name
Vendor Phone

514 694 9575

Ship To Contact
Ship To Phone

VENDOR'S TRUCK

Ship Via:

FOB

FCA - (Free Carrier)

Currency

CAD

Terms

Net 10

Customer Tax #

10127-2607

Buyer

Chantal Lavoie

Customer POID

Line Nbr
Reference
Vendor Part Number
Line Comments
Delivery Comments

1 M174B1.250X02.000

17-4 SS Bar 1.250 x 2.00

3/6/2015

Yes

12.00

\$64.27

\$771.24

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150KSI

2/27/2015

Yes

24.00

\$7.74

\$185.76

17-4 round bar .750

M174R0.750

MATERIAL: 17-4 PH / S17400 TYPE 630 SS ROUND BAR
PER AMS 5643 OR ASTM A564
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total:

\$185.76

Note:

2/20/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO27509

Purchase Order Date 2/20/2015
PO Print Date 2/20/2015

Page Number 2 of 3

Order From :

VC-MET001

Ship To : DART AEROSPACE LTD

METVUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W 0E9
CANADA

Contact Name
Vendor Phone

514 694 9575

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

Buyer
Customer POID
Customer Tax #
Terms
Currency

Chantal Lavoie
10127-2607
Net 10
CAD

3/6/2015
Yes
f

3 303 BAR .750" X 1.500"

M303B0.750X1.500

MATERIAL: AISI 303 SS BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total:

\$849.60

2/27/2015
Yes
f

4 304 BAR .625 X 3.00

M304B0.625X3.000

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240
NOTE: AISI 303 NOT ACCEPTABLE

Line Total:

\$354.00

2/20/2015

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID **PO27509**
Purchase Order Date 2/20/2015
PO Print Date 2/20/2015
Page Number 3 of 3

Order From :

VC-MET001
METUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W 0E9
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

514 694 9575

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

5	71401-45	PROCUREMENT	3/6/2015	1.00	\$0.00
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No

3/6/2015

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total:

\$0.00

PO Total:

\$2,160.60

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 2/20/2015